

REMARKS

Formal Matters

Claims 1-29 are the claims currently pending the Application. Claims 1, 7-9, 18-23 and 28-29 are amended herein to more clearly recite the invention. Support for these amendments can be found in original claim 2.

Rejection of Claims 7, 10 and 11 under 35 U.S.C. § 112

Claims 7, 10 and 11 are rejected under 35 U.S.C. § 112, second paragraph, as indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 7 is amended herein to more clearly recite the invention. Regarding claims 10 and 11, the field of applicant's invention is a function extension technique for browsers which is capable of easily coping with information services requiring extension of markup languages (specification, page 1, lines 8-11). If an information service includes functions, such as tags and/or attributes, beyond standard markup languages, that is, if the information service includes extra or additional functions, then these extra functions extend the markup languages. These tags and/or attributes could be proprietary or exclusively owned by the information service. Thus, applicant's invention addresses the problem of information services using features in addition to standard markup languages and thus needing extension or expansion of markup languages. Accordingly, one skilled in the art would interpret the recited phrase "corresponding to the proprietary tag or the proprietary attribute which are uniquely extended attributes not existent in a current markup language" to mean corresponding to a tag or attribute that is not in a current markup language, such that this tag or attribute will be known as a "uniquely extended" attribute. Unique is defined as "not typical,

unusual”, as shown in the attached definition from dictionary.com. An attribute which is “uniquely extended” would be known by one of ordinary skill in the art to be an unusual attribute, such as one which is not found in current markup language, which is added to current markup language to extend or expand the markup language. Therefore, applicant respectfully states that the claims clearly state the subject matter in a way that could be interpreted by one of ordinary skill in the art.

The phrase “proprietary attribute is voice production processing” is defined to be “a voice synthesis function” on page 14, line 20 of the specification. Further, on page 5, line 5, page 20, line 15, and page 24, lines 17-18, the specification shows that “voice production processing” includes a voice synthesis function, Therefore, applicant respectfully states that the claims clearly state the subject matter in a way that could be interpreted by one of ordinary skill in the art, and requests that this rejection be withdrawn.

Rejection of Claims under 35 U.S.C. § 103

Claims 1-29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Shigemi et al., U.S. Patent No. 6,314,434 (hereinafter “Shigemi”). This rejection should be withdrawn based on the comments and remarks herein.

Independent claims 1, 18-23, and 28-29 are amended herein to include the limitations of original claim 2. Accordingly, the present invention recites a browser apparatus which overcomes the problem of traditional browsers that cannot extend a markup language or meta-information. If a user downloads an information service which includes extended markup language, the traditional browser cannot perform processing relating to the extensions, such as processing of a proprietary tag in a document. To

overcome this problem, the present invention provides a browser capable of accessing a large variety of web pages, including those which make use of non-standard or extended functions. The independent claims, as amended, each recite an application program to be downloaded when an information service requiring an extension of a markup language or meta-information is used.

Shigemi does not address or teach browsers. Instead, Shigemi discloses a structured data management system for providing services concerning structured electronic data objects. This system comprises a structured data storage unit and a structured data processing unit, wherein the structured data storage unit stores structured data objects, each of which is expressed as a tree structure having a plurality of nodes, each associated with a process script that defines what process should be executed. (see column 2, lines 50-59). The Examiner states that Shigema fails to explicitly state a document parser but it provides a suggestion of parsing SGML and XML data into structured document data. However, even assuming that parsing is suggested, the structured document data of Shigema is not information to which a downloadable application program could refer, but instead is merely associated with process scripts. Thus, Shigemi does not disclose or suggest each feature of the present invention as recited in independent claims 1, 18-23 and 28-29.

It has been held by the courts that to establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. See, *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). Further, the skill in the art component will rarely operate to supply missing knowledge or prior art to reach an obviousness judgment. *Al-Site Corp. v. VSI International Inc.*, 174 F.3d 1308, 50

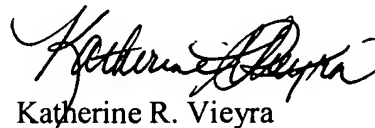
USPQ2d 1161 (Fed. Cir. 1999). As discussed above, Shagemi does not teach or suggest all features of independent claims 1, 18-23 and 28-29 and knowledge of one skilled in the art does not overcome this deficiency. Therefore, Applicant respectfully submits that these independent claims are patentably distinguished over any art of record in the application.

Further, claims 2-17 depend from independent claim 1, and thus incorporate novel and nonobvious features thereof. Accordingly, claims 2-17 are patentably distinguishable over the prior art for at least the reasons that independent claim 1 is patentably distinguishable over the prior art.

CONCLUSION

For at least the reasons set forth in the foregoing discussion, Applicant believes that the application is now allowable and respectfully requests that the Examiner reconsider the rejections and allow the application. Should the Examiner have any questions regarding this Amendment, or regarding the Application generally, the Examiner is invited to telephone the undersigned attorney.

Respectfully submitted,



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ex • tend • ed [ik-**sten**-did] [Pronunciation Key](#) - [Show IPA Pronunciation](#)

-adjective

1. stretched out: *extended wires*.
2. continued or prolonged: *extended efforts*.
3. spread out: *extended flags*.
4. widespread or extensive; having extension or spatial magnitude: *extended treatment of a subject*.
5. outstretched: *extended arms*.
6. *Printing*. **EXPANDED** (def. 3).
7. of or pertaining to a meaning of a word other than its original or primary meaning: *an extended sense*.
8. *Manège*.
 - a. (of a moving horse) noting an elongated pose in which the legs reach out from the body, the chin is out from the chest, etc. Compare **COLLECTED** (def. 3a).
 - b. (of the gait of a horse) characterized by long, low, usually fast strides. Compare **COLLECTED** (def. 3b).

[Origin: 1400-50; late ME; see **EXTEND**, **-ED**²]

—Related forms

ex • tend • ed • ly, *adverb*

ex • tend • ed • ness, *noun*

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ex • pand • ed [ik-**span**-did] [Pronunciation Key](#) - [Show IPA Pronunciation](#)

-adjective

1. increased in area, bulk, or volume; enlarged: *an expanded version of a story*.
2. spread out; extended: *the expanded frontiers of the*